Claims

1. A vehicle antenna (1) with at least one antenna structure (2) that is arranged on a vehicle window (8) mounted in an opening of a metal vehicle body (6) that in a edge area has an obscuring area (7) consisting of nonconductive material and formed by a black print (9) adjoined by a grey print (10) in a direction toward the window center, the black print (9) being a completely black region and the grey print (10) being a black region with grid-like apertures (11) increasing in size in a direction toward the window center and separated by interfaces (13) correspondingly decreasing in size, the antenna structure (2) being provided on the obscuring area (7),
characterized in that the antenna structure (2) is at least partially provided in the area of the grey print (10) and designed such that it is completely covered by the interfaces (13).

2. The vehicle antenna according to claim 1, characterized in that the antenna structure (2) is provided at the inner edge of the obscuring area (7) facing the inside of the vehicle.

3. The vehicle antenna according to claim 2, characterized in that the antenna structure (2) is printed on the obscuring area (7).

4. The vehicle antenna according to one of claims 1 to 3, characterized in that the antenna structure (2) consists of at least one conductor trace (2) that abuts at least the apertures (11) most closely spaced relative to each other.

5. The vehicle antenna according to one of claims 1 to 3, characterized in that the antenna structure (2) consists of at least one conductor trace (2) that is remote from the apertures (11) in the grey print (10).

6. The vehicle antenna according to one of claims 1 to 5, characterized in that all apertures (11) of a grey print (10) have the same shape.

7. The vehicle antenna according to claim 6, characterized in that the apertures (11) are rectangular in shape, particularly square.

8. The vehicle antenna according to claim 6, characterized in that the apertures (11) are circular.

9. The vehicle antenna according to one of claims 4 to 8, characterized in that the at least one conductor trace (2) has a meander-like shape.

10. The vehicle antenna according to one of claims 4 to 8, characterized in that the at least one conductor trace (2) has a sawtooth-like shape.

11. The vehicle antenna according to one of claims 1 to 10, characterized in that the narrow areas of the interfaces (13) between the apertures (11) with the closest distance to each other are as short and broad as possible.